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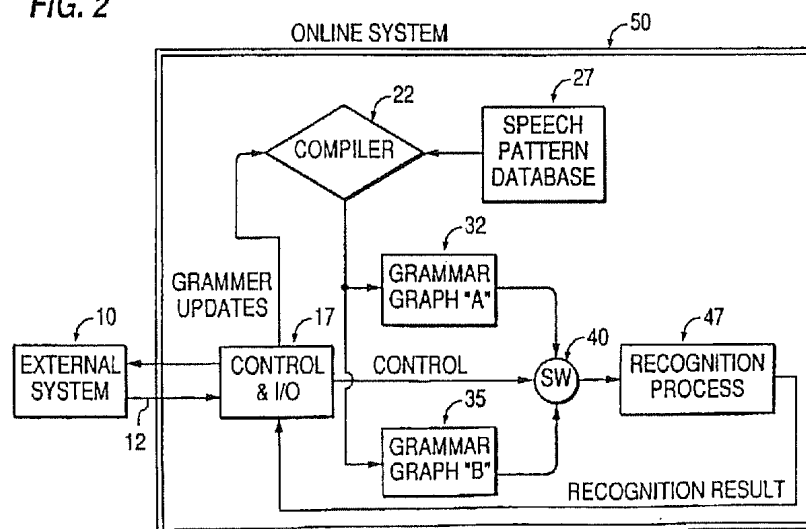
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(54) Interactive dynamic grammar constraint in speech recognition

(57) An interactive dynamic constraint speech recognition method and system. The method employs a speech pattern database (27) which is used to compile an updated grammar graph (32, 35). The grammar graph is constrained to the available word choices based on

inputs from an external system application. The grammar graph used within the recognition processor (47) is dynamically recompiled to reflect the currently available vocabulary.

FIG. 2





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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.5) |
| E | EP-A-0 602 296 (IBM) 22 June 1994 * abstract; claim 1; figure 4 * * page 4, line 54 - page 5, line 11 * --- | 1 | G10L5/06 |
| A | EP-A-0 283 120 (BRITISH TELECOMM) 21 September 1988 * abstract * --- | 1,11 | |
| P,A | WO-A-94 00836 (KURZWEIL APPLIED INTELLIGENCE) 6 January 1994 * abstract; claim 1 * ----- | 1,11 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.5) |
| | | | G10L |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 2 May 1996 | Examiner Van Doremalen, J |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |